

Notice of Allowability

Application No.

10/735,780

Examiner

LEE D. WILSON

Applicant(s)

JACKSON ET AL.

Art Unit

3723

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/18/05.
2. ☒ The allowed claim(s) is/are 1,3-15 and 20-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 8/18/05.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

LEE D. WILSON
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr Henry Cummings on 8/18/05.

The application has been amended as follows:

Claim 1. (currently amended) An automobile pneumatic jack assembly comprising :

Two to four pneumatic cylinders capable of lifting a vehicle to a suitable height to allow repairs to tires and at least some vehicle parts,

at least one compressor,

at least one distribution manifold assembly, and

electrical controls having a power relay activated by low current voltage which applies high current voltage to the compressor; and wherein said power relay reduces the need to run high current carrying wiring to a control box and allows the use of low current components for controlling the operation of said pneumatic jack assembly.

Claim 2. (canceled).

Claim 3 (currently amended). The automobile pneumatic jack assembly according to claim 1 wherein said pneumatic cylinder assemblies are mounted to said automobile chassis through said frame by a connection selected from welding, mechanical fasteners, or brazing.

Claim 4 (currently amended) The automobile pneumatic jack assembly according to claim 1 wherein said pneumatic cylinder assemblies are mounted to said automobile chassis through said frame by a connection selected from welding, brazing and mechanical fasteners.

Claim 5 (currently amended) The automobile pneumatic jack assembly according to claim 21 wherein said air compressor uses vehicle electrical power and is capable of providing adequate air pressure to lift a vehicle to a suitable height to allow repairs to tires and at least some other automobile parts.

Claim 6 (currently amended) The automobile pneumatic jack assembly according to claim 1 wherein said air compressor is mounted in a location within the vehicle permitting efficient routing of pneumatic and electrical supplies.

Claim 7 (currently amended) The automobile pneumatic jack assembly according to claim 1 wherein said distribution manifold assembly accepts air pressure from said air compressor and delivers it to said pneumatic cylinders via pneumatic solenoids.

Claim 8 (currently amended) The automobile pneumatic jack assembly according to claim 7 wherein said air distribution manifold assembly contains a plurality of said pneumatic solenoids, one for each of the pneumatic cylinders.

Claim 9 (currently amended) The automobile pneumatic jack assembly according to claim 8 wherein each of the pneumatic solenoids operate on electrical power and conduit means direct air pressure to said solenoid's corresponding pneumatic cylinder.

Claim 10 (currently amended) The automobile pneumatic jack assembly according to claim 1 wherein said electrical controls comprise a power relay, a control box, and an electrical interlock switch.

Claim 11 (currently amended) An electrical control system for an automobile pneumatic jack assembly comprising:

a power relay activated by low current voltage which applies high current voltage to a compressor; and wherein said power relay reduces the need to run high current carrying wiring to a control box and allows the use of low current components;

a control box; and

an electrical interlock switch,

wherein said electrical interlock switch is activated when the vehicle's parking brake is applied, ensuring the vehicle is secured prior to system operation.

Claim 12 (currently amended) The electrical control system for an automobile pneumatic jack assembly according to claim 11 wherein said control box contains switching and indicating circuitry for the operator.

Claim 13 (currently amended) The electrical control system for an automobile pneumatic jack assembly according to claim 12 wherein said control box contains a key switch that provides extra safety measures to ensure the system is not accidentally activated.

Claim 14 (currently amended) The electrical control system for an automobile pneumatic jack assembly according to claim 13 wherein said control box contains a

Art Unit: 3723

plurality of three-position rocker switches to direct electrical power to said pneumatic solenoids when activated by the operator.

Claim 15 (currently amended) The electrical control system for an automobile pneumatic jack assembly according to claim 14 wherein said control box contains a light emitting diode (LED) that illuminates when power is applied to the system.

Claims 16 (canceled).

Claim 17 (canceled).

Claim 18 (canceled).

Claim 19 (canceled).

Claim 20 (currently amended) The control system for an automobile pneumatic jack assembly according to claim 21 wherein said control box contains switching and indicating circuitry for the operator.

Claim 21 (New) An electrical control system for an automobile pneumatic jack assembly comprising : a power relay; a control box; and an electrical interlock switch, wherein said electrical interlock switch is activated when the vehicle's parking brake is applied, ensuring the vehicle is secured prior to system operation; and wherein said power relay is activated by low-current voltage when commanded by the operator and applied high-current voltage to said air compressor.

Claim 22 (New) A control system for an automobile pneumatic jack assembly according to claim 21 comprising: switching and indicating circuitry for the operator; at least one key switch that provides safety to ensure the system is not accidentally

activated; said control box also containing a plurality of switches to direct electrical power respectively to said pneumatic solenoids when activated.

Claim 23 (canceled).

- a. The abstract in line 4, "said" has been changed to - - the- - before "pneumatic jack".
- b. The abstract in line 6, "said" has been deleted before "pneumatic".
- c. The abstract in line 7, "said" has been changed to - - the- - before "automobile".
- d. The abstract in line 7, "said" has been changed to - - the- - before "frame".
- e. The abstract in line 8, "means" has been changed to - - mechanisms- - after "suitable".

2.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEE D. WILSON whose telephone number is 571-272-4499. The examiner can normally be reached on M-F.

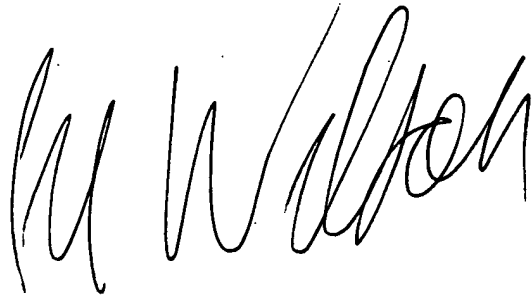
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOSEPH HAIL can be reached on 571-272-4485. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3723

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ldw

August 18, 2005

A handwritten signature in black ink, appearing to read 'Lee D. Wilson', is written in a cursive style.

LEE D. WILSON
PRIMARY EXAMINER